

## Level 4 Revision

### Calculating the Circumference and Area of a Circle.

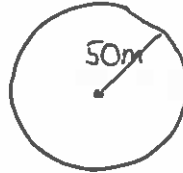
$$\textcircled{1} \quad C = \pi \times 24 \\ C = \underline{\underline{75.36 \text{ cm}}}$$

$$\textcircled{2} \text{ a) } A = 60 \times 60 + A = \frac{1}{2} \times \pi \times 30^2 \\ = 3600 + A = 1413$$

$$\underline{\underline{\text{Total } A = 5013 \text{ cm}^2}}$$

$$2b) \quad P = \left(\frac{1}{2} \times \pi \times 60\right) + (3 \times 60) \\ = 94.2 + 180 \\ = \underline{\underline{274.2 \text{ cm}}}$$

$\textcircled{3}$



$$A = \pi \times 50^2 \\ = \underline{\underline{7850 \text{ m}^2}}$$

$$\textcircled{4} \text{ a) } A = \frac{1}{2} bh \\ = \frac{1}{2} \times 5 \times 10.1 \\ = 25.25$$

$$A = \frac{1}{2} \pi r^2 \\ = \frac{1}{2} \times \pi \times 4.4^2 \\ = 30.3952$$

$$\underline{\underline{\text{Total } A = 55.6 \text{ m}^2 \text{ (1dp)}}}$$

$$b) \quad P = \left(\frac{1}{2} \times \pi \times 8.8\right) + 10.1 + 5 \\ = \underline{\underline{28.9 \text{ m (1dp)}}}$$